

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2001072586 A

(43) Date of publication of application: 21.03.01

(51) Int. CI

A61K 31/18 A61K 9/14

A61K 47/10

A61K 47/16

A61K 47/26

A61P 11/06

(21) Application number: 11251120

(22) Date of filing: 06.09.99

(71) Applicant.

NIKKEN CHEM CO

LTDKOTOBUKI SEIYAKU KK

(72) Inventor:

OKUMURA MUTSUO HAKAMATA HIDEKI SEKI HIROSHI

(54) POWDERY INHALING PREPARATION AND ITS PRODUCTION

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a powdery inhaling preparation having a good re-dispersing property while keeping a high medicine-discharging property, and an excellent powder fluidity and improving the medicine-attainability to the region of a disease.

SOLUTION: This powdery inhaling preparation used by a dry powder inhaling tool contains (a) a fine particle

mixture obtained by a method of mixing an azulent derivative having a thromboxane-matagonizing activity with an additive and then mixing and crushing it to a fine particle state and (b) a carrier particles of a seacharide, a sugar alcohol, an amino acid or the like. The method for production is simple, and in the case of inhaling by using a dry powder—inhaling tool, the discharging property from the inhaling tool is not damaged and it is possible to achieve a high lung attainability.

COPYRIGHT: (C)2001,JPO